| Application No

PCT/US2004/022182 A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01J3/02 C23C16/44 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 C23C H01L Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Х US 5 433 238 A (CANNIZZARO ET AL) 1,5,12 18 July 1995 (1995-07-18) column 3, line 47 - column 4, line 12; figure 3 column 4, line 42 - column 5, line 27 Х US 5 415 585 A (MIYAGI ET AL) 1,2,5,6, 16 May 1995 (1995-05-16) column 4, line 48 - column 6, line 57; figure 1 χ PATENT ABSTRACTS OF JAPAN 1,5,9,12 vol. 1998, no. 03, 27 February 1998 (1998-02-27) & JP 09 306851 A (SONY CORP), 28 November 1997 (1997-11-28) abstract -/--X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the International filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 12 -08- 2005 4 April 2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Patterson, A

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C (Continuation), DOCUMENTS CONCIDERED TO BE RELEVANT							
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WO 03/062490 A (SUNDEW TECHNOLOGIES, LLC) 31 July 2003 (2003-07-31) page 24, line 7 - page 25, line 11; figures 1,2 page 51, line 15 - page 52, line 15	1,2,5,6,						
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ional application No. PCT/US2004/022182

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.: Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not Invite payment of any additional fee.
As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the Invention first mentioned in the claims; it is covered by claims Nos.: 1-14
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14

Apparatuses and corresponding methods involving the control of pressure downstream of a subatmospheric pressure wafer processing apparatus. All of these apparatuses and methods rely on a pressure control chamber located between two flow restricting elements, the pressure control chamber being provided with a gas supply.

2. claim: 15

A double-walled process chamber having a permeable inner wall, through which inert gas can be introduced.

Information on patent family members

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